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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,030	02/04/2004	Louay Jalloul	CE08219R D01	3892

22917 7590 12/19/2005

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EXAMINER

GESESSE, TILAHUN

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/772,030	Applicant(s) JALLOUL ET AL.	
	Examiner Tilahun B. Gesesse	Art Unit 2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 1-10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6/17/04</u> & <u>6/17/04</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of claims

1. Claims 1-10 has been withdrawn from consideration by applicant during the preliminary amendment and claims 11-16 are pending.
2. Applicant is required to cancel claims that are withdrawn from consideration in response to the office action.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 11 through 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al US patent No. 6,125,137 "Wang".

Claim 11, Wang teaches an apparatus in a communication system (see figure 4, which deals with wideband CDMA and narrow band CDMA(IS-95 and W-CDMA) , see column 1, line 60- column 2, line 2)comprising:

2. Wang teaches a first signal (107) processing block for processing (401) a first received signal according to a first communication standard to produce a first received processed signal (the first signal 107 is according to the IS-95 column 7, lines 15 column 8, lines 68 and figure 4).

Wang teaches a second signal processing block for processing (finger N) a second received signal (107) according to a second communication standard to produce a second received processed signal (the second signal 107 is in accordance to the W-CDMA, column 7, lines 15 column 8, lines 68 and figure 4).

Wang teaches a combiner for combining said first and second received processed signal to produce a combined signal (column 6, line 66-column 7, line 15 and figure 4).

Claim 12, Wang teaches all the limitations as explained in claim 1, above. Wang further teaches a decoder (359) for decoding said combined signal to retrieve information communicated via said first and second signals (column 6, line 1-16 and line 66-column 7, line 15 and figure 4).

Claims 13-14, Wang teaches all limitations as explained in claim 1 above. Wang further teaches first processing block (see figure 4) comprising:

Wang teaches a despreader for despread the first signal by multiplying said first signal with a first PN sequence compatible to said first communication standard to produce a first despread signal (column 5, lines 17-25).

Wang teaches a traffic channel Walsh code despreader and demodulator to produce a first demodulated signal from said first despread signal (column 5, lines 17-35) and

Wang teaches a de-interleaver deinterleaving said first demodulated signal according to a first interleaving/deinterleaving function of said first communication

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standard to produce said first receive processed signal (column 6, lines 1-16 and column 6, line 65-column 7, line 16).

Claim 14. Wang teaches all limitation as explained in claim 11 above. Wang further teaches said second processing block (figure 4) comprising:

Wang teaches a despreader despread said second signal by multiplying said second signal with a second PN sequence compatible to said second communication standard to produce a second despread signal (column 5, lines 17-35)

Wang teaches a traffic channel Walsh code despreader and demodulator to produce a second demodulated signal from said second despread signal (column 5, lines 17-35) and

Wang teaches a deinterleaver deinterleaving said second demodulated signal according to a second interleaving/deinterleaving function of said second communication standard to produce said second received processed signal (column 6, lines 1-16 and column 6, line 65-column 7, line 16).

Claim 15. Wang teaches an apparatus for detecting a broadcast control channel energy in a multi- generational mobile station (see figure 4) comprising:

Wang teaches a pseudo-noise despreader for despread a received broadcast control channel signal according to a known base station pseudo-noise sequence (column 5, lines 17-35).

Wang teaches a broadcast control channel Walsh Code despreader for despread the received signal according to a known Walsh Code for the broadcast control channel ((column 5, lines 17-35).

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Wang teaches a signal energy calculator for calculating a signal energy of the signal despread by the pseudo-noise despreaders and the Walsh Code despreaders (column 6, lines 1-16 and column 6, line 65-column 7, line 16).

Wang teaches a multiplier for scaling the calculated signal energy according to a preset scaling factor; and a comparator for comparing the scaled signal energy to a threshold (column 4, lines 28-52)

Claim 16. Wang teaches all the limitations as explained in claim 1 above. Wang further teaches a means for determining whether the broadcast control channel is present based on the comparison of the scaled signal energy to the threshold (column 4, lines 28-52).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882.

The Central FAX Number will change to 571-273-8300. This new Central FAX Number is the result of relocating the Central FAX server to the Office's Alexandria, Virginia campus.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

12/7/05
Tilahun Geesse
TILAHUN GESESSE
PRIMARY EXAMINER